PROJECT DESCRIPTION

This project involves the installation of a new traffic control signal at the intersection of MD 63 and French Lane in Washington County, Maryland. MD 63 is considered to run in a North/South direction.

II. INTERSECTION OPERATION

The intersection is to operate in a NEMA six (6) phase, full-traffic-actuated mode. There will be exclusive/permissive left turn phases for both the north and southbound movements of MD 63. The MD 63 through movements will operate concurrently. The French Lane through movements will operate concurrently.

An eight phase, full-traffic-actuated, solid state digital controller with intersection monitor and harness, battery back-up, and two 4-channel rack mounted time delay output loop detector amplifiers housed in a base mounted cabinet are to be installed at this location.

CONTACT LIST

The contact persons for District *6 are as follows:

Mr. Fred Crozier District Engineer 301-729-8400

Mr. George Small Assistant District Engineer - Traffic

301-729-8400 Mr. Larry Humbertson

Assistant District Engineer - Utility 301-729-8400

Chief, Traffic Operations Division 410-787-7630

724-838-6326

Mr. George Frankenberry Asistant District Engineer – Maintenance 301-729-8400 Mr. Richard L. Daff

The Power Company Representative is: Allegany Power Mr. Martin Bratcher 800 Cabin Hill Dr. Greensburg, PA 15601

EQUIPMENT LIST

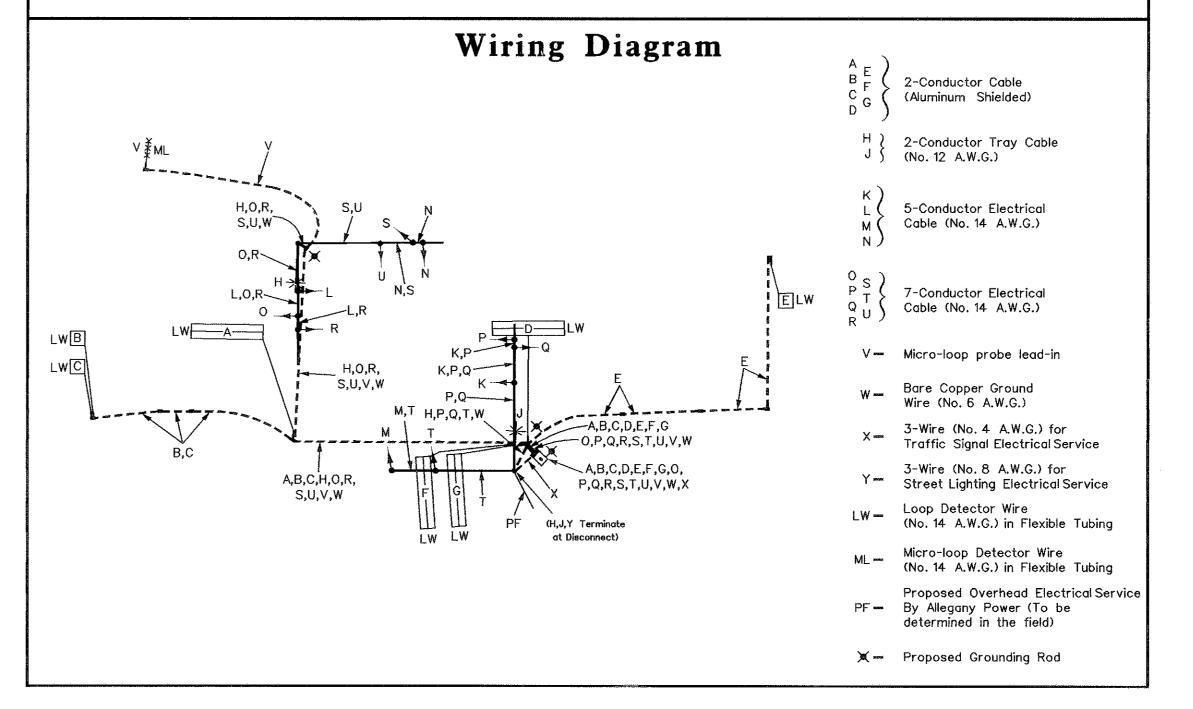
A. Approved S.H.A. equipment to be purchased by the Developer and installed by the Contractor. All equipment in this list shall have catalog cuts submitted for approval B. Equipment to be furnished and installed by the Contractor. All equipment in this list shall have catalog cuts submitted for approval prior to installation.

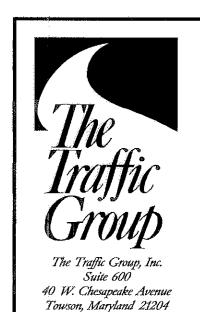
--- As-built for MD-S.H.A. [on CADD].

prior to i	installation.					Specification					
Quantity	Units	Specification Section	Description	Quantity	Units	Section	Description				
				Lump Sum	LS	108	Mobilization.				
2	EA	818	27 ft. steel twin mast arm pole with 50 ft. and 60 ft. mast arms [Note: 2 in. x 90 in. anchor bolts].	Lump Sum	LS	104	Maintenance of traffic.				
1	EA	816	Standard S.H.A. traffic signal controller, base mounted cabinet, and two 4-channel rack mounted loop detector amplifiers	3	CY	205	Test pit excavation.				
			ENote: Controller and cabinet shall be supplied by Econolite and delivered to the S.H.A. signal shop for wiring and testing.	active the second of the secon	ΕA	811	Handhole.				
			Contact Mr. Ed Rodenhizer (410) 787-7650].	685	LF	815	Sawcut for signal loop detector.				
7	EA	814	12 in., one-way, three section (R,Y,G) adjustable traffic signal head with mast arm mounting hardware	2440	LF	810	Loop detector wire (No. 14 A.W.G.) encased in flexible tubing.				
			and tunnel visors.	1685	LF	810	2-conductor (aluminum shielded) electrical cable (No. 14 A.W.G.).				
2	EA	814	12 in., one-way, five section (R,Y,YA,G,GA) adjustable traffic signal head with mast arm mounting hardware	310	LF	810	2-conductor electrical tray cable (No. 12 A.W.G.).				
			and tunnel visors.	120	LF	810	5-conductor electrical cable (No. 14 A.W.G.).				
2	EA	814	12 in./8 in., one-way, five section (R,Y,YA,G,GA) adjustable traffic signal head with mast arm mounting hardware	1400	LF	810	7-conductor electrical cable (No. 14 A.W.G.).				
			and tunnel visors.	50	LF	810	3-wire (No. 4 A.W.G.) electrical cable.				
2	EA	813	16 in. x Var. D-3(1) (DualFaced) sign with mast arm mounting hardware.	20	LF	810	3-wire (No. 8 A.W.G.) electrical cable.				
1	EA	813	30 in. x 36 in. R 3-5(L) sign with mast arm mounting hardware.	220	LF	804	Bare copper stranded ground wire (No. 6 A.W.G.).				
2	EA	813	36 in. x 42 in. R 10-12 sign with mast arm mounting hardware.	40	LF	805	1 in. liquid tight flexible non-metalic conduit for loop detector sleeve.				
1	EA	813	36 in. x 75 in. "Shield Assembly" sign for pole mounting.	110	LF	805	2 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.				
1	EA	813	72 in. x 24 in. M 95-1 sign with mast arm mounting hardware.	65	LF	805	2 in. polyvinyl chloride [Schedule 80] electrical conduit - slotted in roadway.				
2	EA	813	48 in. x 48 in. W 3-3 "NEW" sign for ground mounting.	765	LF	805	3 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.				
2	EA	806	15 ft. luminaire arm.	65	LF	805	3 in. polyvinyl chloride [Schedule 80] electrical conduit - bored.				
2	EA	806	250 W H.P.S. lamp and luminaire.	10	L.F	805	4 in. polyvinyl chloride [Schedule 80] electrical conduit - trenched.				
1	EA		Micro-loop probe (set of 3) with 500 ft. lead-in cable.	180	LF	805	4 in. polyvinyl chloride [Schedule 80] electrical conduit - slotted in roadway.				
				10.55	CY	801	Concrete foundation for traffic signal equipment.				
				3	EA	804	Ground rod -⅓in. diameter x 10 ft. length.				
				1	EA	807	Control and distribution equipment (120/240 V, one phase, three wire system) for a type B-14 overhead electrical service.				
				135	EA	556	24 in. wide HAPPTPM - white for stop line.				
				82	LF	812	4 in. x 6 in. wood sign support.				
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Phase Chart

Phase 1 & 5	R → G	R G—	R	R ∓ G—	R → G—	R	R	R	R	R	R	*
1 & 5 Change to Phase 1 & 6 or Phase 2 & 5 or Phase 2 & 6												•
Phase 1 & 6	G - G—	G G—	G	R	R	R	R	R	R	R	R	Ĵ
1 Change	G - Y-	G - 4 Y	G	R	R	R	R	R	R	R	R	<u></u>
Phase 2 & 5	R	R	R	G - 4 -G	G ≠ G—	G	R	R	R	R	R	₩
5 Change	R	R	R	G ⊸Y	G - ∢ Y	G	R	R	R	R	R	•
Phase 2 & 6	G	G	G	G	G	G	R	R	R	R	R	◆
2 & 6 Change	Y	Y	Υ	Υ	Y	Y	R	R	R	R	R	
Phase 4 & 8	R	R	R	R	R	R	G	G	G	G	G	•
4 & 8 Change	R	R	R	R	R	R	Y	Y	Y	Y	Y	+
Flashing Operation	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	+ ↑ + ↑





410-583-8405

1--800--583--8411 Fax 410-321-8458 Job. No. 990113 SIGPLAN.DGN



MDOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety Office of Traffic & Safety

TRAFFIC ENGINEERING DESIGN DIVISION

(General Information)

MD 63 at French Lane

DATE: October 15, 1999 J.E.S. N/A F.A.P. NO. DRAWN BY: BW996M82 CHK. BY: S.H.A. NO. 3942-GI N/A Washington SCALE: COUNTY:

LOG MILE # 21063010.42 PLAN SHEET NO.: SHEET NO.

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